

Title (en)  
DEVICE AND METHOD FOR RECOVERING FRACTIONAL HYDROCARBONS FROM RECYCLED PLASTIC FRACTIONS AND/OR FROM OILY RESIDUES

Title (de)  
VORRICHTUNG UND VERFAHREN ZUM GEWINNEN VON FRAKTIONIERTEN KOHLENWASSERSTOFFEN AUS KUNSTSTOFFWERTSTOFFEN UND/ODER AUS ÖLHALTIGEN RESTSTOFFEN

Title (fr)  
DISPOSITIF ET PROCEDE D'EXTRACTION D'HYDROCARBURES FRACTIONNES A PARTIR DE MATERIAUX SYNTHETIQUES ET/OU DE RESIDUS HUILEUX

Publication  
**EP 1745115 B1 20101215 (DE)**

Application  
**EP 05701145 A 20050124**

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Abstract (en)  
[origin: WO2005071043A1] The invention relates to a method for recovering fractional hydrocarbons from recycled plastic fractions, which are sorted according to type and compacted under the exclusion of air using a feed system (1, 2, 3, 4), the compacted mass being supplied to a fusion container (7), where it is heated. The mass is separated into a first liquid phase, a first gas phase and a residual fraction, the liquid phase and the first gas phase are then transported to an evaporation container (20), in which a second liquid phase and a second gas phase are produced by the application of heat. The second liquid phase is transferred to a secondary heater (23) and heated further to produce a third gas phase. The second gas phase and the third gas phase are then supplied to a cracking tower (27), in which further cracking of the long-chained hydrocarbons occurs and short-chained hydrocarbons are produced. The oil gas is supplied to a primary condenser (30), in which it is condensed to liquid oil, the latter constituting the target product.

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